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NASON



Century Oil & Gas Corporation  
Suite 800 7887 East Bellevue Englewood Colorado 80111

# NW POPLAR AREA

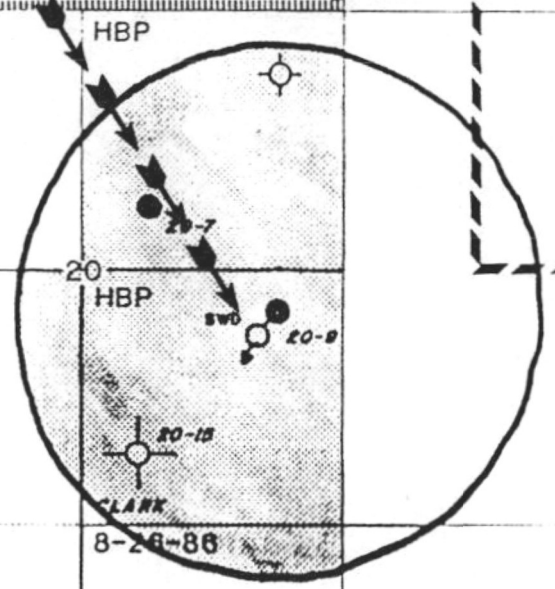
Roosevelt Co., Montana

## LEGEND

- PRODUCING OIL WELL
- ⊖ DRY HOLE WITH OIL SHOW<sub>17</sub>
- PLUGGED OUT PRODUCER
- ⊖ WATER INJECTION WELL
- ⊖ DRY HOLE
- ⊖ GAS WELL

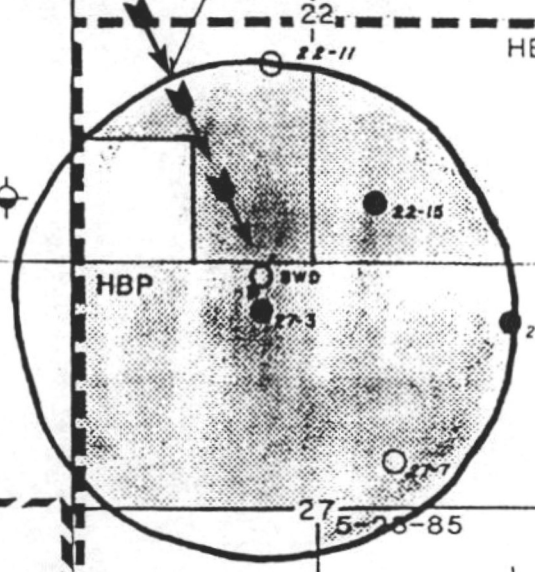
T.  
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12-30-87

### CLARK #1 SWDW



16  
R. 50 E.

### GOINGS #1 SWDW



28  
R. 50 E.

4-1-86

T.  
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N.  
4-1-85

2-10-87

3. Section 22: S1/2 (Tribal Indian Lands)  
Superintendent  
Ft. Peck Agency  
Bureau of Indian Affairs  
P.O. Box 637  
Poplar, MT 59255

This is Tribal Lands for your information, advise and comment.  
Please advise Tribal authorities.

4. Section 21: E1/2 (Allotted Indian Lands)  
Merlin Yellow Owl  
c/o Iola Scott  
East Government Housing  
Poplar, MT 59255

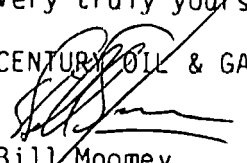
Josephine Blackdog  
Box 121  
Brockton, MT 59213

These are Allottees that have been notified by Century with the  
same letter and plat addressed to them as enclosed herein to you  
dated October 4, 1984.

Please call if you have any questions or comments concerning these matters.

Very truly yours,

CENTURY OIL & GAS CORPORATION

  
Bill Moomey  
Land Manager

BRM/amr

Enclosures

cc: Mr. Jim Boyter  
U.S.E.P.A.



# Century Oil & Gas Corporation

Century Oil & Gas Corporation  
10000 N. 10th Avenue  
Denver, CO 80231

Phone: 303.614.1523  
Fax: 303.4922037

October 4, 1984

CERTIFIED MAIL

Mr. David Allison  
c/o Superintendent  
Ft. Peck Agency  
Bureau of Indian Affairs  
P.O. Box 637  
Poplar, MT 59255

Dear Mr. Allison:

Re: U.S. Environmental Protection Agency  
Requirement Letter  
Salt Water Disposal Well  
Century's Goings #1 SWDW  
Roosevelt County; Montana  
Township 29 North, Range 50 East  
Section 27: NE1/4NW1/4  
(see attached plat)

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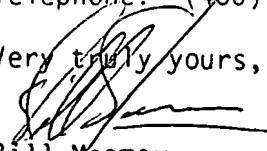
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U.S.E.P.A.  
Montana Operations Office  
Federal Office Bldg.  
Drawer 10096  
301 South Park  
Helena, MT 59601-0026  
Telephone: (406) 449-5486

Very truly yours,

  
Bill Moomey  
Land Manager

BRM/amr

cc: Mr. Jim Boyter  
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CLARK #1 SWDW

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HBP

20-15

CLARK

8-26-86

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R. 50 E.



Century Oil & Gas Corporation

Suite 800 7887 East Bellevue Englewood Colorado 80111

## NW POPLAR AREA

Roosevelt Co., Montana

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HBP

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HBP

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GOINGS #1 SWDW

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4-1-85

HBP

SWD

27-3

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5-25-85

2-10-87

27-9

23  
R. 50 E.



# Century Oil & Gas Corporation

Century Oil & Gas Corporation  
1907 E. Colfax Avenue South  
Minneapolis, MN 55403

Phone 612-694-1830  
Telex 4320037

October 4, 1984

Ms. Lois MacKenzie  
1907 Colfax Avenue South, Apt. #20  
Minneapolis, MN 55403

Dear Ms. Mackenzie

Re: U.S. Environmental Protection Agency  
Requirement Letter  
Salt Water Disposal Well  
Century's Goings #1 SWDW  
Roosevelt County; Montana  
Township 29 North, Range 50 East  
Section 27: NE1/4NW1/4  
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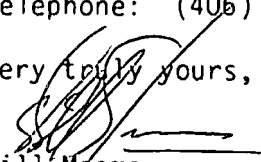
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Montana Operations Office  
Federal Office Bldg.  
Drawer 10096  
301 South Park  
Helena, MT 59601-0026  
Telephone: (406) 449-5486

Very truly yours,

  
Bill Moomey  
Land Manager

BRM/amr

cc: Mr. Jim Boyter  
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Suite 800 7887 East Bellevue Englewood Colorado 80111

# NW POPLAR AREA

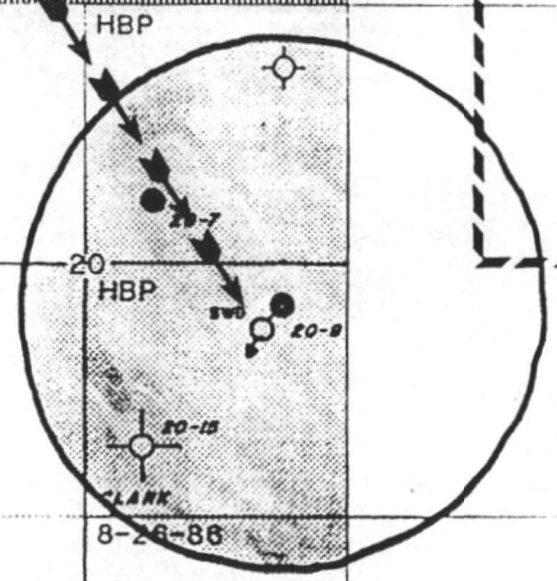
Roosevelt Co., Montana

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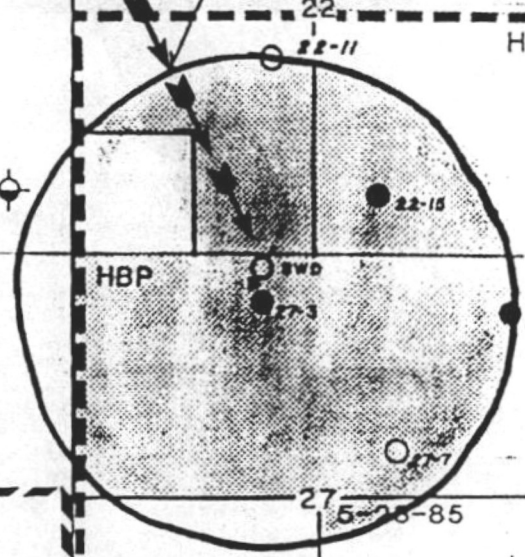
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CLARK #1 SWDW



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HBP

HBP

SWD

27-3

5-26-85

27-9



# Century Oil & Gas Corporation

State Office  
7887 E. Briarview Avenue  
Englewood, Colorado 80111

Phone 303-694-1533  
ITT Tele 4322037

October 4, 1984

Ms. Elaine Armstrong  
18002 Lassen Drive  
Santa Ana, CA 92705

Dear Ms. Armstrong

Re: U.S. Environmental Protection Agency  
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Salt Water Disposal Well  
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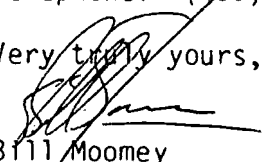
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301 South Park  
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Telephone: (406) 449-5486

Very truly yours,

  
Bill Moomey  
Land Manager

BRM/amr

cc: Mr. Jim Boyter  
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## NW POPLAR AREA

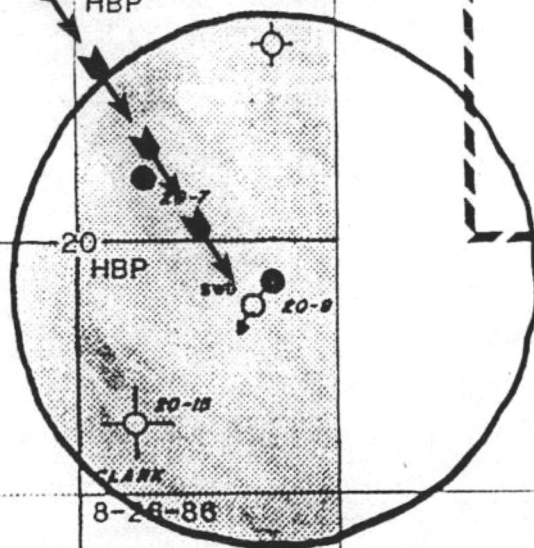
Roosevelt Co., Montana

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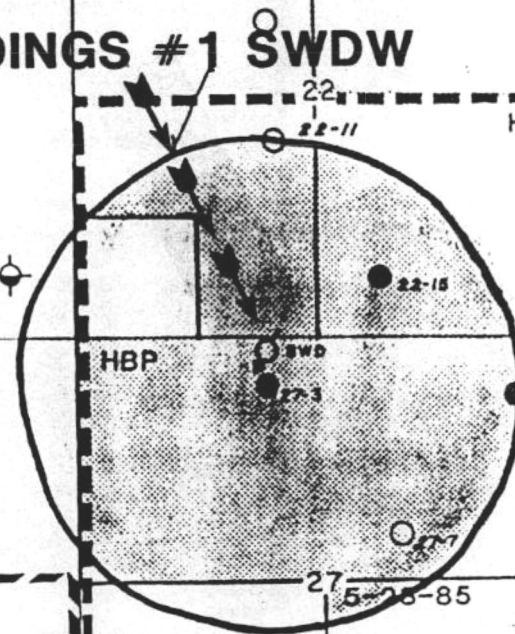
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### GOINGS #1 SWDW

R. 50 E.



4-1-86

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# Century Oil & Gas Corporation

Century Oil & Gas Corporation  
2501 N. 1st Avenue  
Spokane, WA 99208

October 4, 1984

Ms. Christina Goings  
West 4003 Rowan  
Spokane, WA 99208

Dear Ms. Goings

Re: U.S. Environmental Protection Agency  
Requirement Letter  
Salt Water Disposal Well  
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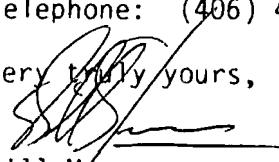
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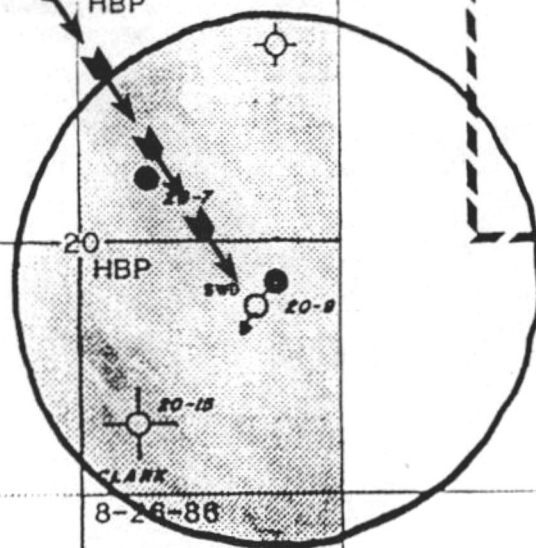
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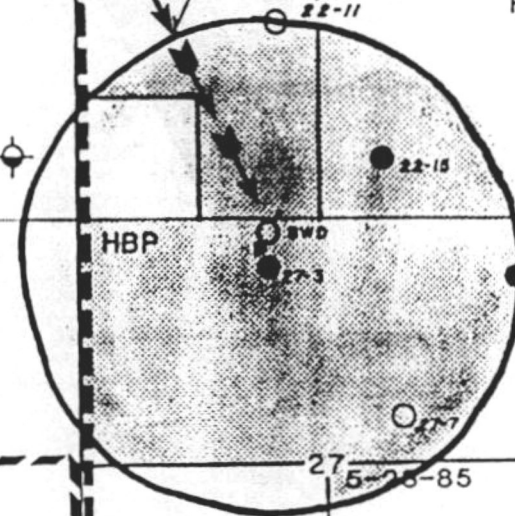
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# Century Oil & Gas Corporation

Century Oil & Gas Corporation  
1513 Georgia Avenue, S.E.  
Salem, OR 97302

October 4, 1984

Ms. Jennette Hauser  
1513 Georgia Avenue, S.E.  
Salem, OR 97302

Dear Ms. Hauser

Re: U.S. Environmental Protection Agency  
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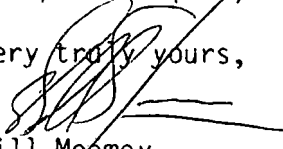
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Mr. Jim Boyter  
U.S.E.P.A.  
Montana Operations Office  
Federal Office Bldg.  
Drawer 10096  
301 South Park  
Helena, MT 59601-0026  
Telephone: (406) 449-5486

Very truly yours,

  
Bill Moomey  
Land Manager

BRM/amr

cc: Mr. Jim Boyter  
U.S.E.P.A.

HBP  
7-18  
NASON

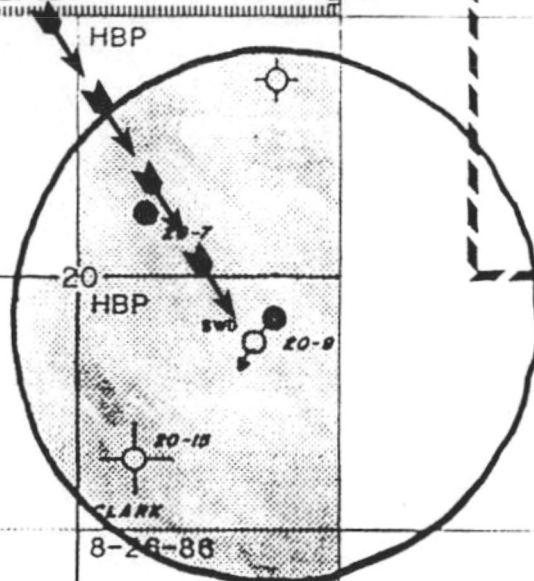
## LEGEND

- PRODUCING OIL WELL
- ⊕ DRY HOLE WITH OIL SHOW<sub>17</sub>
- PLUGGED OUT PRODUCER
- ⊕ WATER INJECTION WELL
- ⊕ DRY HOLE
- ⊕ GAS WELL

T.  
29  
N.  
NASON

12-30-87

CLARK #1 SWDW



29

16  
R. 50 E.

28  
R. 50 E.

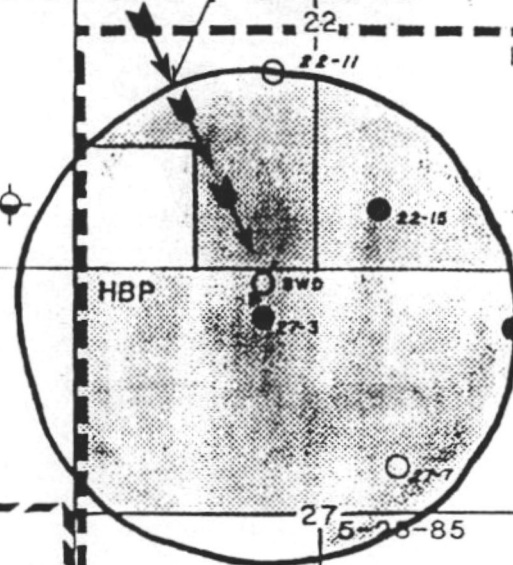


Century Oil & Gas Corporation  
Suite 800 7887 East Belview Englewood Colorado 80111

## NW POPLAR AREA

Roosevelt Co., Montana

GOINGS #1 SWDW



5-28-85

2-10-87

4-1-86

T.  
29  
N.

4-1-85



# Century Oil & Gas Corporation

Century Oil & Gas Corporation  
1587 E. Gateshead Avenue  
Billings, Montana 59101

Phone (406) 694-1533  
Telex 4322037

October 4, 1984

Ms. Jean Betty Condon  
General Delivery  
Omak, WA 98441

Dear Ms. Condon

Re: U.S. Environmental Protection Agency  
Requirement Letter  
Salt Water Disposal Well  
Century's Goings #1 SWDW  
Roosevelt County; Montana  
Township 29 North, Range 50 East  
Section 27: NE1/4NW1/4  
(see attached plat)

Century Oil & Gas Corporation is the operator of the referenced saltwater disposal well (SWDW). The United States Environmental Protection Agency (USEPA) is requiring that permits be secured for this SWDW and others in the area.

In securing this permit, Century is required by USEPA to notify all Indian surface owners within a one-half mile radius and all non-Indian surface owners within a one-quarter mile radius of these saltwater disposal wells of the following information:

I. Brief description of planned injection activities.

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2. The Goings #1 SWDW location (see attached plat).

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3. Name and depth of the injection zone.

The disposal horizon in the Goings #1 SWDW is the Judith River Formation on the Montana group of Cretaceous age. It is predominantly fine to occasional medium grained sandstone - with siltstone and shale laminae. Its depositional mode was a shallow shelf marine environment on the western flank of the Cretaceous inland seaway. The Judith River varies in thickness from 70 to 80 feet and in this area, depending on surface elevation, is found at drilling depths of 1000 to 1200 feet below the surface. The basal contact of the Judith River is with the Claggett Formation, a shale of shallow marine origin with a thickness of 300'±. The upper contact of the Judith River is with the Bearpaw Formation, a shale of similar depositional mode to the Claggett. Its thickness varies widely due to surface exposure in the area, but is approximately 1000 feet thick.

4. Maximum injection pressures and volumes of the injection wells.

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Goings #1 SWDW: 900 BWPD maximum daily injection rate  
700 PSIG maximum daily injection pressure

5. Product to be disposed of in Goings #1 SWDW.

Brine waste water (saltwater) that is produced in conjunction with oil from various oil wells in the area. This waste water is separated from the oil and trucked or pipelined to the SWDW site with the oil being sold.

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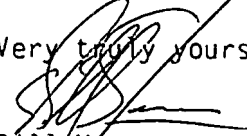
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Very truly yours,

  
Bill Moomey  
Land Manager

BRM/amr

cc: Mr. Jim Boyter  
U.S.E.P.A.

HBP

7-16

NASON

## LEGEND

- PRODUCING OIL WELL
- DRY HOLE WITH OIL SHOW<sub>17</sub>
- PLUGGED OUT PRODUCER
- WATER INJECTION WELL
- DRY HOLE
- GAS WELL

T.  
29  
N.NASON  
12-30-87

CLARK #1 SWDW

HBP

HBP

20-15

CLARK

8-26-86

29

16

R. 50 E.

21

28

R. 50 E.



Century Oil &amp; Gas Corporation

Suite 800 7887 East Bellevue Englewood Colorado 80111

NW POPLAR AREA

Roosevelt Co., Montana

HBP

15

15-14

2-21-85

HBP

4-1-86

HBP

T.  
29  
N.

GOINGS #1 SWDW

22

22-11

HBP

4-1-85

HBP

SWD

27-3

22-15

27-9

27

5-26-85

2-10-87





# Century Oil & Gas Corporation

Subsidiary  
1007 E. Highway Avenue  
Englewood, Colorado 80111

Phone 303 694 1533  
ITT Telex 4322037

October 4, 1984

CERTIFIED MAIL

Mr. Richard Hibl  
Box 485  
Poplar, MT 59255

Dear Mr. Hibl

Re: U.S. Environmental Protection Agency  
Requirement Letter  
Salt Water Disposal Well  
Century's Goings #1 SWDW  
Roosevelt County; Montana  
Township 29 North, Range 50 East  
Section 27: NE1/4NW1/4  
(see attached plat)

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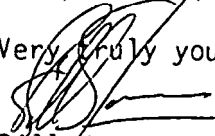
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Montana Operations Office  
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Very truly yours,

  
Bill Moomey  
Land Manager

BRM/amr

cc: Mr. Jim Boyter  
U.S.E.P.A.

HBP  
7-16  
NASON



Century Oil & Gas Corporation  
Suite 800 7887 East Bellevue Englewood Colorado 80111

## NW POPLAR AREA

Roosevelt Co., Montana

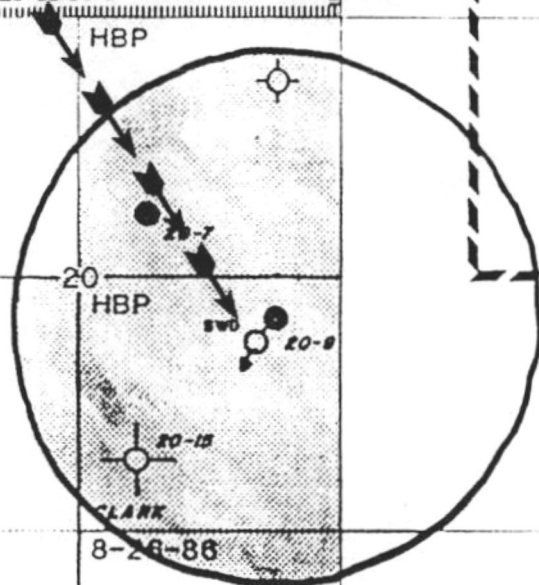
### LEGEND

- PRODUCING OIL WELL
- ⊖ DRY HOLE WITH OIL SHOW<sup>17</sup>
- PLUGGED OUT PRODUCER
- ⊙ WATER INJECTION WELL
- ⊖ DRY HOLE
- ⊙ GAS WELL

### CLARK #1 SWDW

T.  
29  
N.

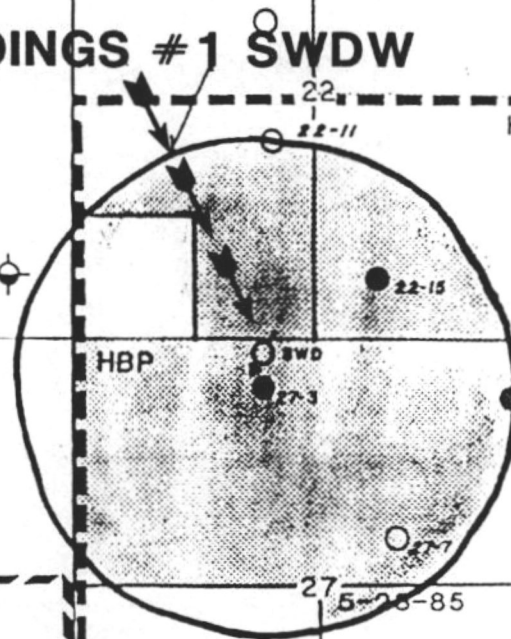
20-5  
NASON  
12-30-87



16  
R. 50 E.

### GOINGS #1 SWDW

T.  
29  
N.



28  
R. 50 E.



# Century Oil & Gas Corporation

STANDARD INDUSTRIAL CLASSIFICATION CODE 1300  
FEDERAL RESERVE BANK OF ST. LOUIS, MO. 63101  
111-1000-4002-000

October 4, 1984

CERTIFIED MAIL

Merlin Yellow Owl  
c/o Iola Scott  
East Government Housing  
Poplar, MT 59255

Dear Ms. Scott:

Re: U.S. Environmental Protection Agency  
Requirement Letter  
Salt Water Disposal Well  
Century's Goings #1 SWDW  
Roosevelt County; Montana  
Township 29 North, Range 50 East  
Section 27: NE1/4NW1/4  
(see attached plat)

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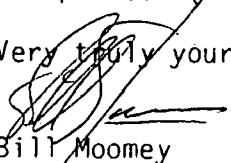
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Montana Operations Office  
Federal Office Bldg.  
Drawer 10096  
301 South Park  
Helena, MT 59601-0026  
Telephone: (406) 449-5486

Very truly yours,

  
Bill Moomey  
Land Manager

BRM/amr

cc: Mr. Jim Boyter  
U.S.E.P.A.

HBP  
7-18  
NASON



Century Oil & Gas Corporation  
Suite 800 7887 East Belview Englewood Colorado 80111

# NW POPLAR AREA

Roosevelt Co., Montana

## LEGEND

● PRODUCING OIL WELL

▼ DRY HOLE WITH OIL SHOW<sub>17</sub>

● PLUGGED OUT PRODUCER

○ WATER INJECTION WELL

○ DRY HOLE

○ GAS WELL

### CLARK #1 SWDW

T.  
29  
N.

NASON  
12-30-87

HBP

HBP

CLARK  
8-26-86

16  
R. 50 E.

### GOINGS #1 SWDW

28  
R. 50 E.

HBP

2-21-85

HBP

HBP

SWD

4-1-86

HBP

HBP 4-1-85

2-10-87

T.  
29  
N.

CS



# Century Oil & Gas Corporation

Century Oil & Gas Corporation  
P.O. Box 190  
Milton, WA 98354

October 4, 1984

CERTIFIED MAIL

Mr. Joseph A. Arcasa  
P.O. Box 190  
Milton, WA 98354

Dear Mr. Arcasa:

Re: U.S. Environmental Protection Agency  
Requirement Letter  
Salt Water Disposal Well  
Century's Goings #1 SWDW  
Roosevelt County; Montana  
Township 29 North, Range 50 East  
Section 27: NE1/4NW1/4  
(see attached plat)

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Montana Operations Office  
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301 South Park  
Helena, MT 59601-0026  
Telephone: (406) 449-5486

Very truly yours,

  
Bill Moomey  
Land Manager

BRM/amr

cc: Mr. Jim Boyter  
U.S.E.P.A.



HBP  
7-18  
NASON



Century Oil & Gas Corporation  
Suite 800 7887 East Bellevue Englewood Colorado 80111

## NW POPLAR AREA

Roosevelt Co., Montana

### LEGEND

● PRODUCING OIL WELL

⬇ DRY HOLE WITH OIL SHOW<sub>17</sub>

● PLUGGED OUT PRODUCER

⊙ WATER INJECTION WELL

○ DRY HOLE

○ GAS WELL

### CLARK #1 SWDW

T.  
29  
N.

12-30-87

HBP

HBP

20-15

CLARK

8-24-86

R. 50 E.

### GOINGS #1 SWDW

T.  
29  
N.

4-1-85

HBP

2-21-85

HBP

HBP

5-25-85

R. 50 E.



# Century Oil & Gas Corporation

October 4, 1984

CERTIFIED MAIL

Mr. Donald L. Goings  
Marine Barracks  
Naval Air Station  
Alameda, CA 94501

Dear Mr. Goings

Re: U.S. Environmental Protection Agency  
Requirement Letter  
Salt Water Disposal Well  
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Roosevelt County; Montana  
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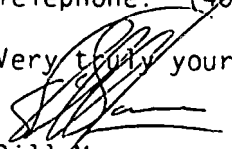
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Bill Moomey  
Land Manager

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cc: Mr. Jim Boyter  
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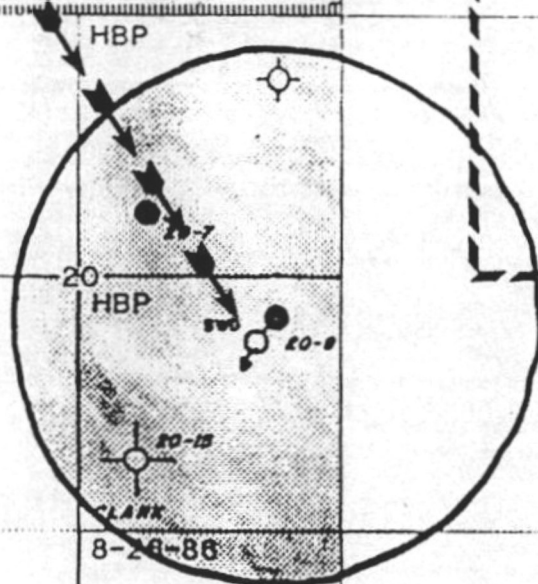
HBP  
7-16  
NASON

## LEGEND

- PRODUCING OIL WELL
- ◐ DRY HOLE WITH OIL SHOW<sub>17</sub>
- PLUGGED OUT PRODUCER
- ◐ WATER INJECTION WELL
- DRY HOLE
- GAS WELL

T.  
29  
N  
NASON  
12-30-87

CLARK #1 SWDW



29

16  
R. 50 E.

28  
R. 50 E.

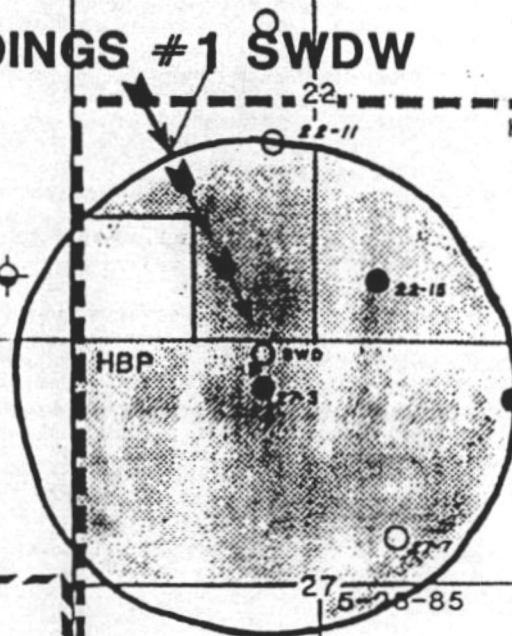


Century Oil & Gas Corporation  
Suite 800 7887 East Bellevue Englewood Colorado 80111

## NW POPLAR AREA

Roosevelt Co., Montana

GOINGS #1 SWDW



27

4-1-86

T.  
29  
N

HBP 4-1-85

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27-9



# Century Oil & Gas Corporation

Century Oil & Gas Corporation  
1000 E. Holladay Avenue  
Englewood, Colorado 80110  
Phone: 303.454.1500  
Telex: 432203

October 4, 1984

CERTIFIED MAIL

Ms. Evonne Goings  
4003 W. Rowan  
Spokane, WA 99205

Dear Ms. Goings

Re: U.S. Environmental Protection Agency  
Requirement Letter  
Salt Water Disposal Well  
Century's Goings #1 SWDW  
Roosevelt County; Montana  
Township 29 North, Range 50 East  
Section 27: NE1/4NW1/4  
(see attached plat)

Century Oil & Gas Corporation is the operator of the referenced saltwater disposal well (SWDW). The United States Environmental Protection Agency (USEPA) is requiring that permits be secured for this SWDW and others in the area.

In securing this permit, Century is required by USEPA to notify all Indian surface owners within a one-half mile radius and all non-Indian surface owners within a one-quarter mile radius of these saltwater disposal wells of the following information:

1. Brief description of planned injection activities.

The Goings #1 SWDW operated by Century Oil & Gas Corporation in the Northwest Poplar Field, Roosevelt County, Montana, is a water disposal well disposing of produced formation water (Charles C) into the Dakota formation. This SWDW sits next to and services disposal needs of the Goings #27-3 oil along with other wells in the area (see attached plat). This SWDW was drilled to a depth of 1187' to dispose of produced waste in the Judith River Formation of the Montana group of Cretaceous age. At this location there are no aquifers above the disposal horizon. Normal oil field practices were observed to protect potential aquifers, if any existed. The Dakota formation has since the 1950's been taking produced formation water from a number of disposal wells throughout the country.

2. The Goings #1 SWDW location (see attached plat).

Century Oil & Gas Corporation Goings #1 SWDW, 528' FNL and 2065' FWL, Section 27, Township 29 North, Range 50 East.

3. Name and depth of the injection zone.

The disposal horizon in the Goings #1 SWDW is the Judith River Formation on the Montana group of Cretaceous age. It is predominantly fine to occasional medium grained sandstone - with siltstone and shale laminae. Its depositional mode was a shallow shelf marine environment on the western flank of the Cretaceous inland seaway. The Judith River varies in thickness from 70 to 80 feet and in this area, depending on surface elevation, is found at drilling depths of 1000 to 1200 feet below the surface. The basal contact of the Judith River is with the Claggett Formation, a shale of shallow marine origin with a thickness of 300'±. The upper contact of the Judith River is with the Bearpaw Formation, a shale of similar depositional mode to the Claggett. Its thickness varies widely due to surface exposure in the area, but is approximately 1000 feet thick.

4. Maximum injection pressures and volumes of the injection wells.

The maximum daily injection rate and pressure realized at the Goings #1 SWDW are as follows:

Goings #1 SWDW: 900 BWPD maximum daily injection rate  
700 PSIG maximum daily injection pressure

5. Product to be disposed of in Goings #1 SWDW.

Brine waste water (saltwater) that is produced in conjunction with oil from various oil wells in the area. This waste water is separated from the oil and trucked or pipelined to the SWDW site with the oil being sold.

6. Opportunity for surface owners to comment.

There will be an opportunity for each person contacted herein to comment on the SWDW after USEPA prepares drafts of the permit for this well. USEPA will contact you once the permit is drafted for said comments.

7. Indian Lands

A copy of all letters to allottees of Indian Lands plus Tribal Lands will be forwarded to Mr. David Allison, Ft. Peck Agency, Bureau of Indian Affairs, P.O. Box 637, Poplar, Montana 59255 for BIA advice, comment and concurrence.

If you should have any questions or comments concerning this saltwater disposal well, please call or write myself as listed on this letterhead or contact the USEPA representative for this area as below listed:

Mr. Jim Boyter  
U.S.E.P.A.  
Montana Operations Office  
Federal Office Bldg.  
Drawer 10096  
301 South Park  
Helena, MT 59601-0026  
Telephone: (406) 449-5486

Very truly yours,

  
Bill Moomey  
Land Manager

BRM/amr

cc: Mr. Jim Boyter  
U.S.E.P.A.



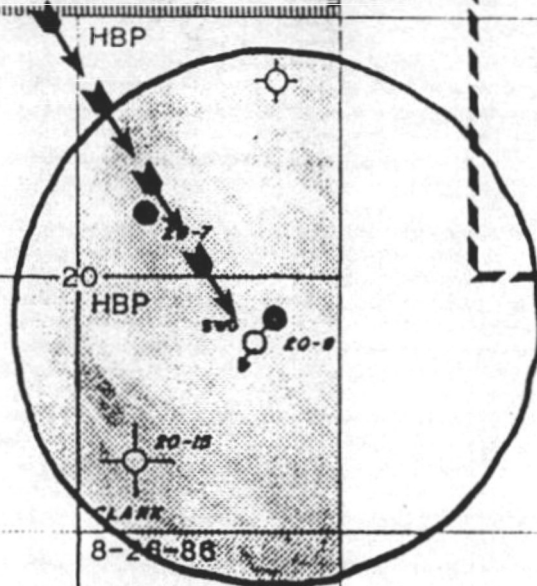
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7-16  
NASON

## LEGEND

- PRODUCING OIL WELL
- ▼ DRY HOLE WITH OIL SHOW<sub>17</sub>
- ◆ PLUGGED OUT PRODUCER
- WATER INJECTION WELL
- DRY HOLE
- GAS WELL

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NASON  
12-30-87

CLARK #1 SWDW



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R. 50 E.

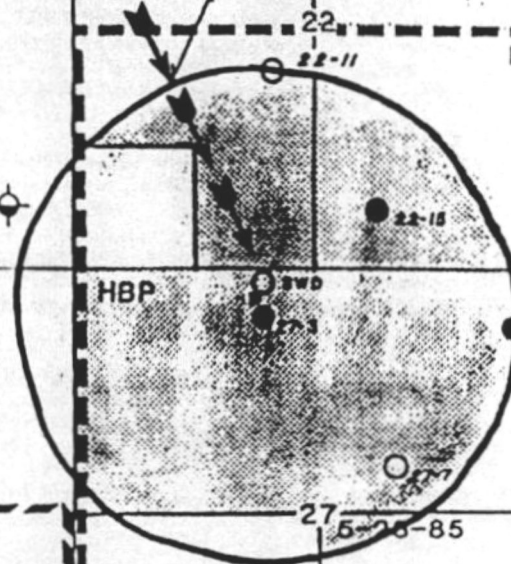


Century Oil & Gas Corporation  
Suite 800 7887 East Bellevue Englewood Colorado 80111

## NW POPLAR AREA

Roosevelt Co., Montana

GOINGS #1 SWDW



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R. 50 E.

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HBP

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HBP

SWD

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2-10-87



# Century Oil & Gas Corporation

STANDARD INDUSTRIAL CLASSIFICATION  
2911-10-01  
FEDERAL RESERVE BANK  
MINNEAPOLIS, MINN. 55480  
PHONE 612 674 1533  
TELETYPE 612 674 3220

October 4, 1984

CERTIFIED MAIL

Mrs. Juanita R. Hupp  
Rural Route #4  
Atkinson, NE 68713

Dear Mrs. Hupp:

Re: U.S. Environmental Protection Agency  
Requirement Letter  
Salt Water Disposal Well  
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4. Maximum injection pressures and volumes of the injection wells.

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Montana Operations Office  
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Drawer 10096  
301 South Park  
Helena, MT 59601-0026  
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Very truly yours,

  
Bill Moomey  
Land Manager

BRM/amr

cc: Mr. Jim Boyter  
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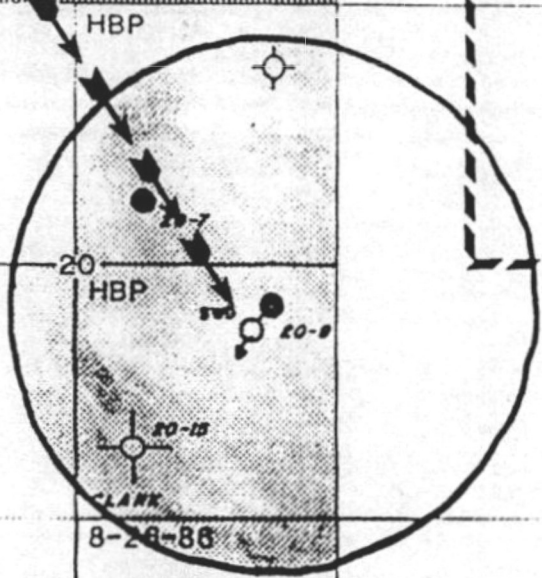
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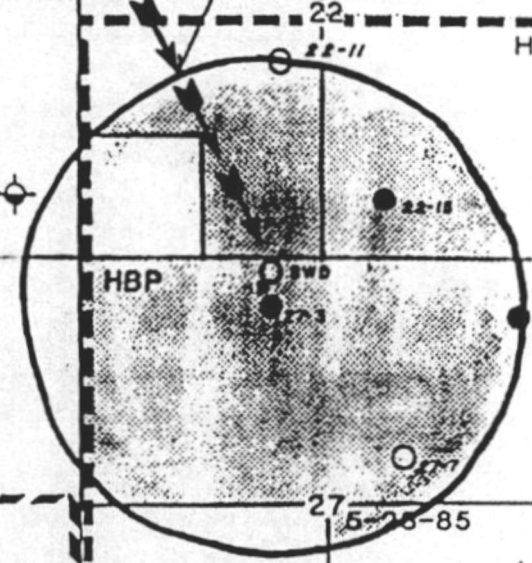


Century Oil & Gas Corporation  
Suite 800 7887 East Belview Englewood Colorado 80111

## NW POPLAR AREA

Roosevelt Co., Montana

## GOINGS #1 SWDW



4-1-86

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4-1-85

2-10-87

27-9



# Century Oil & Gas Corporation

Produced by  
CENTURY OIL & GAS CORPORATION  
PO BOX 485  
POPLAR, MT 59255  
TEL 406/338-2987

October 4, 1984

CERTIFIED MAIL

Ms. Christine Gerard  
Box 485  
Poplar, MT 59255

Dear Ms. Gerard

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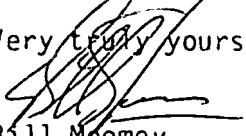
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